

## Bayer-18

*Cat. No. CEI-1130*

*Lot. No. (See product label)*

### **Introduction**

#### **Description**

Bayer-18 is a selective TYK2 inhibitor, with an IC<sub>50</sub>=18.7nM on TYK2. The compound shows 1000 fold selectivity against JAK2, CDK and KDR.

#### **Synonyms**

JTK1

### **Product Information**

#### **CAS No.**

1251752-12-1

#### **Molecular Formula**

C19H27FN6O2

#### **Chemical Name**

1-tert-butyl-3-[3-[[5-fluoro-4-[(2-hydroxy-1,1-dimethyl-ethyl)amino]pyrimidin-2-yl]amino]phenyl]urea

#### **Molecular Weight**

390.46

#### **Purity**

> 95%

#### **Targets**

TYK2

#### **Solubility**

DMSO > 112mg/mL Water >1mg/mL Ethanol > 4mg/mL

### **Storage and Shipping Information**

#### **Storage**

4 centigrade

#### **Stability**

2 years -20 centigrade Powder 1 month -4 centigrade in DMSO More than one month -80 centigrade in DMSO